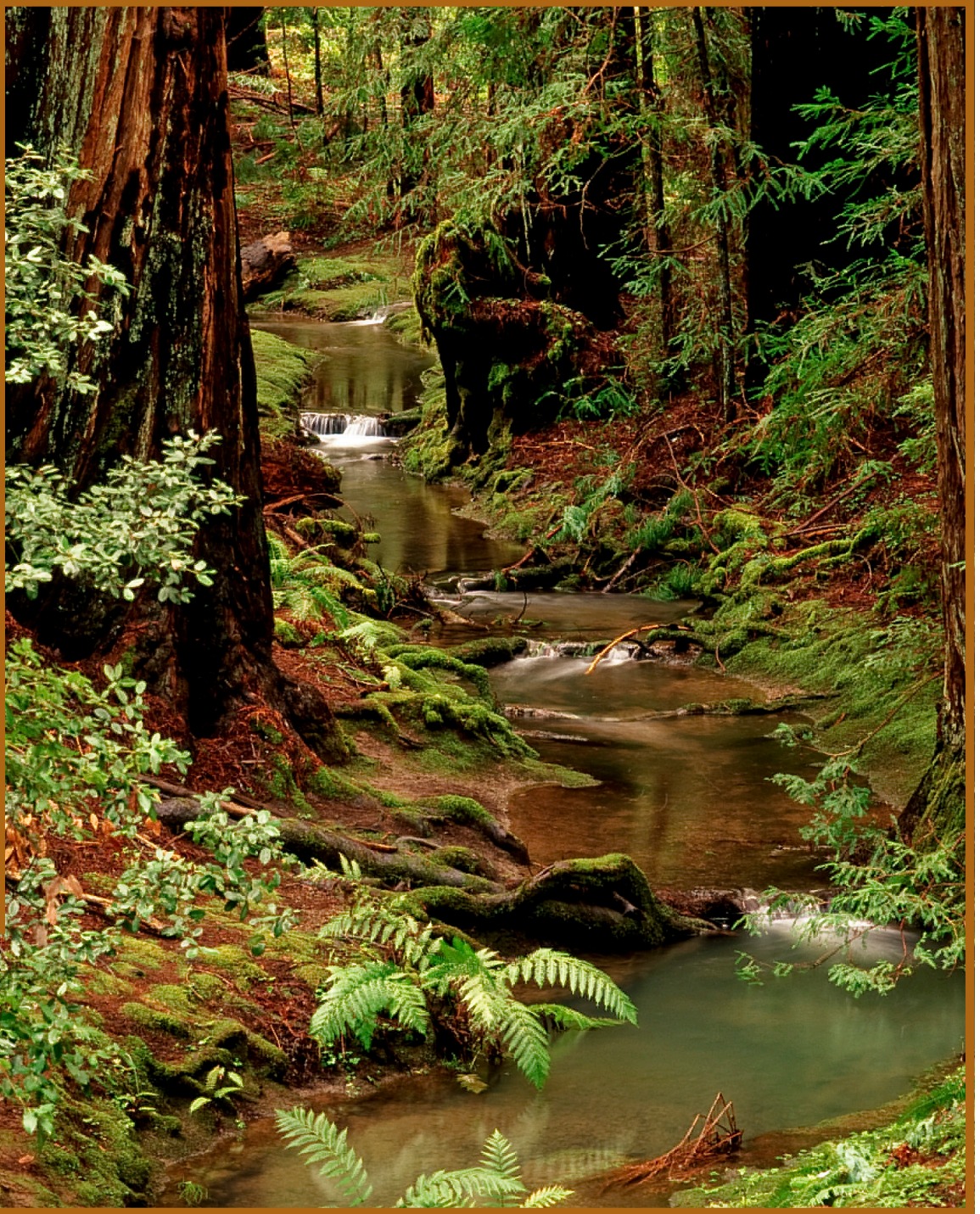


4

Science Standard
4.2.b.



The Flow of Energy Through Ecosystems

California Education and the Environment Initiative

Approved by the California State Board of Education, 2010

The Education and the Environment Curriculum is a cooperative endeavor of the following entities:

California Environmental Protection Agency
California Natural Resources Agency
Office of the Secretary of Education
California State Board of Education
California Department of Education
California Integrated Waste Management Board

Key Leadership for the Education and Environment Initiative:

Linda Adams, Secretary, California Environmental Protection Agency
Patty Zwarts, Deputy Secretary for Policy and Legislation, California Environmental Protection Agency
Andrea Lewis, Assistant Secretary for Education and Quality Programs, California Environmental Protection Agency
Mark Leary, Executive Director, California Integrated Waste Management Board
Mindy Fox, Director, Office of Education and the Environment, California Integrated Waste Management Board

Key Partners:

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Valuable assistance with maps, photos, videos and design was provided by the **National Geographic Society** under a contract with the State of California.

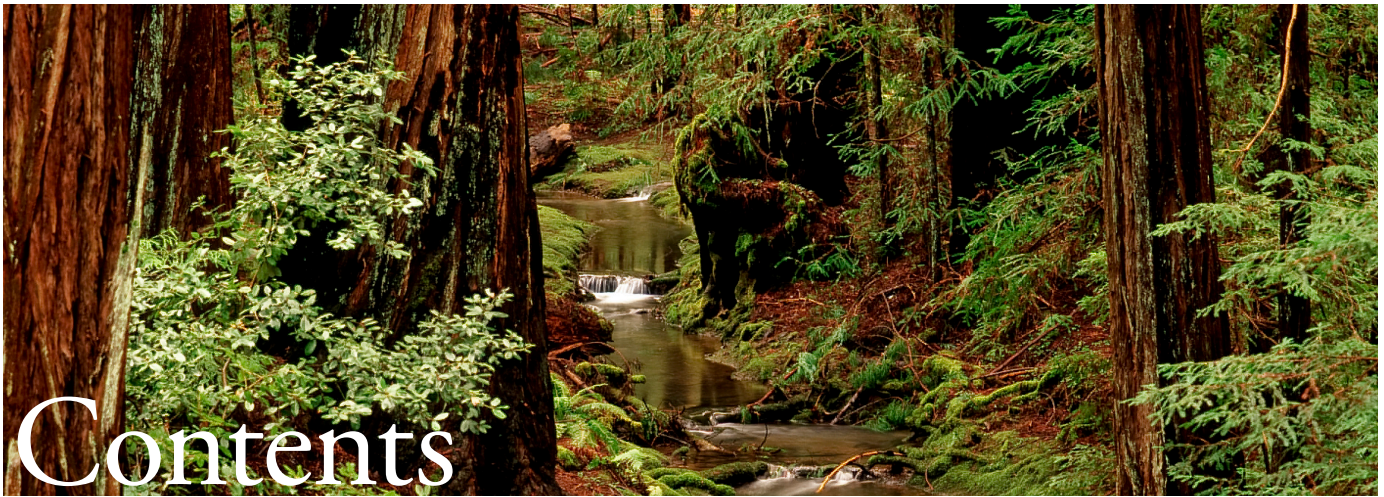
Office of Education and the Environment

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Lesson 1 Life in a Marine Ecosystem

- 1** Humboldt Squid 2
- 2** Producer 3

Lesson 2 In Ecosystems Everywhere...

Visual Aids

- 3** Marine Organisms 4

Lesson 3 Eat or Be Eaten

- 4** Marine Ecosystem Food Web 5

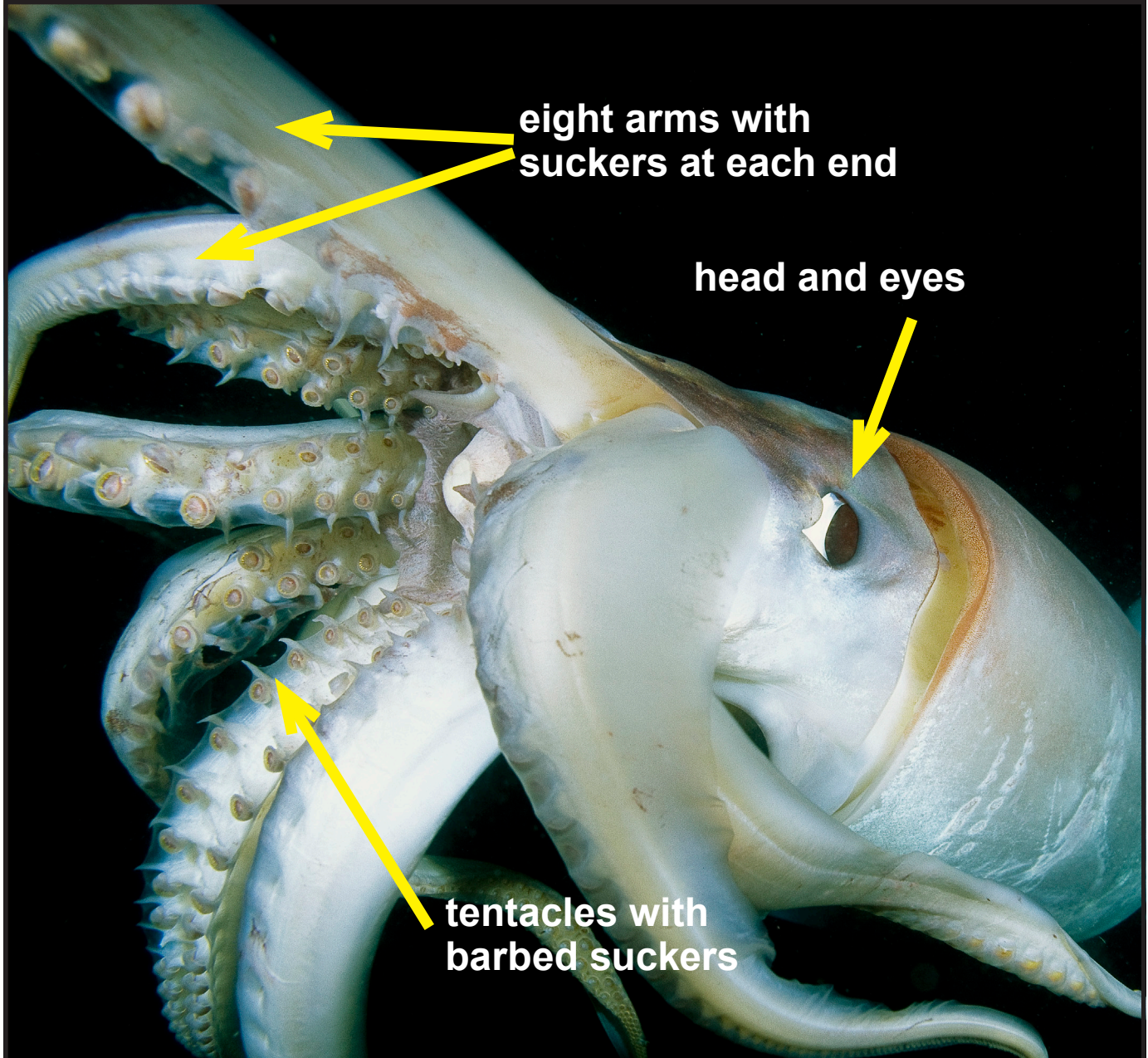
Lesson 4 Changing the Web

- 5** Range of the Humboldt Squid 6

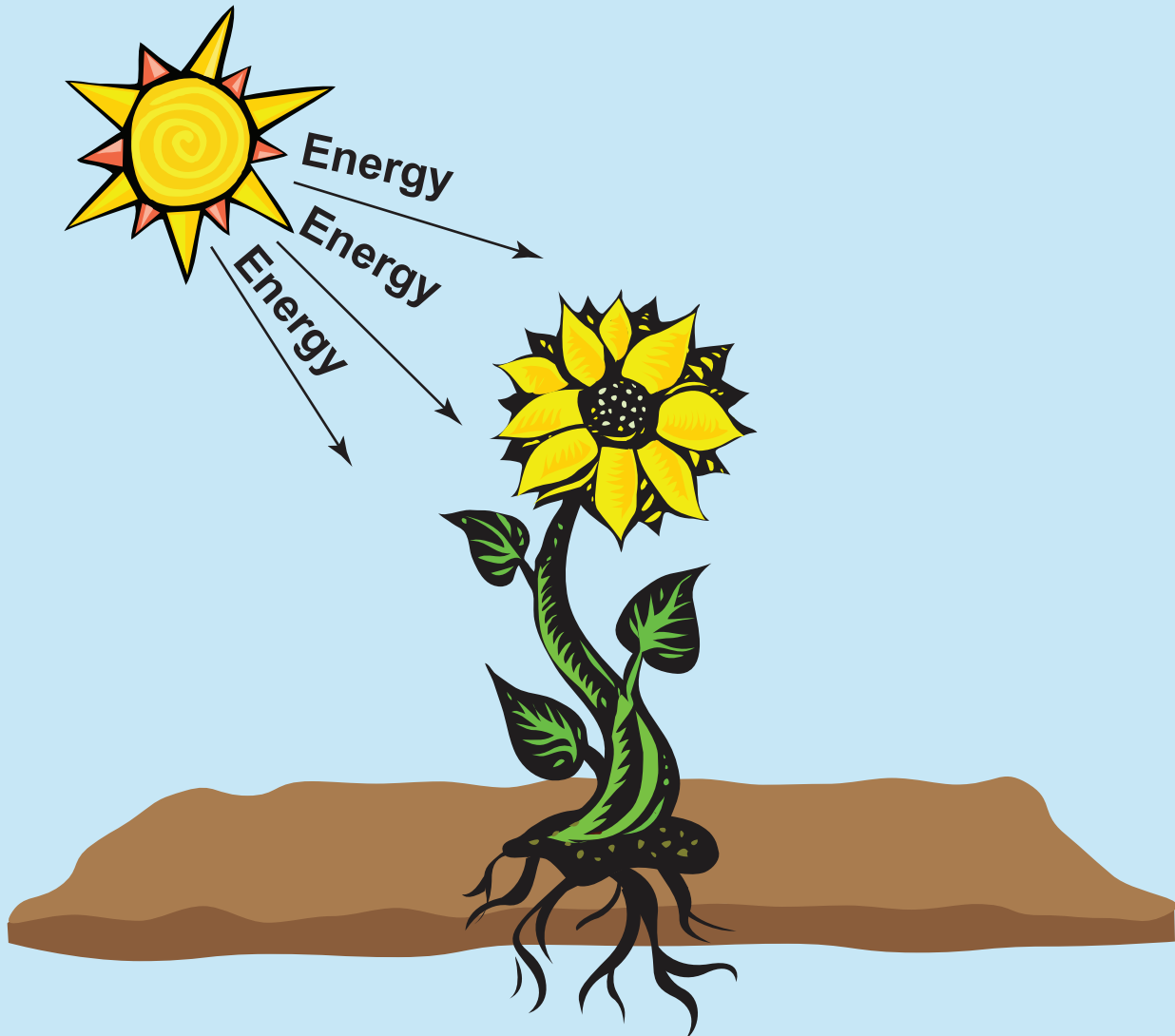
Lesson 5 Changing the Web Means Changing the System

- 6** Terrestrial Food Web 7

VA #1 Humboldt Squid

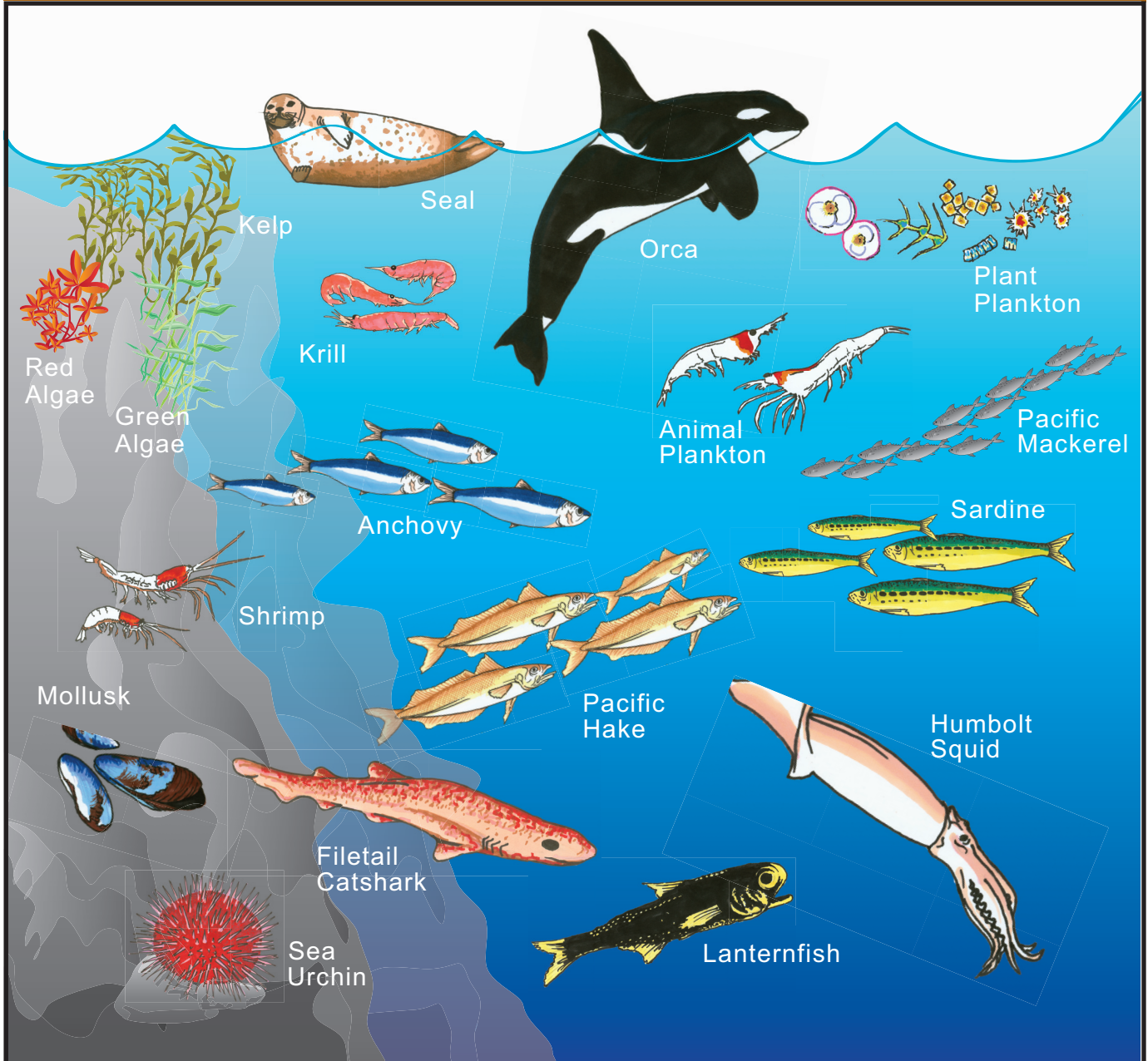


VA #2 Producer



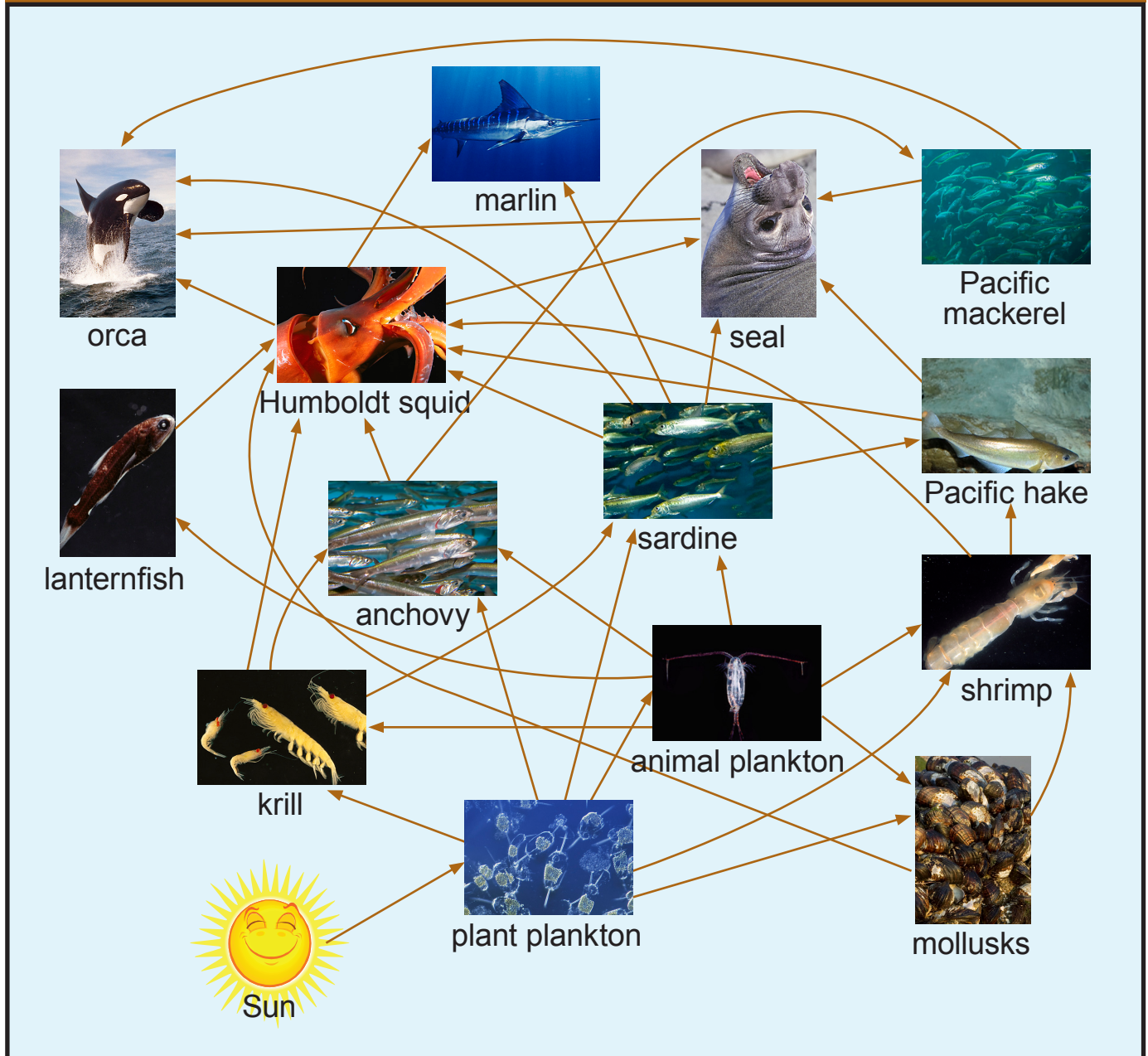
This plant is a producer because it makes its own food from the Sun's energy and other nutrients.

VA #3 Marine Organisms

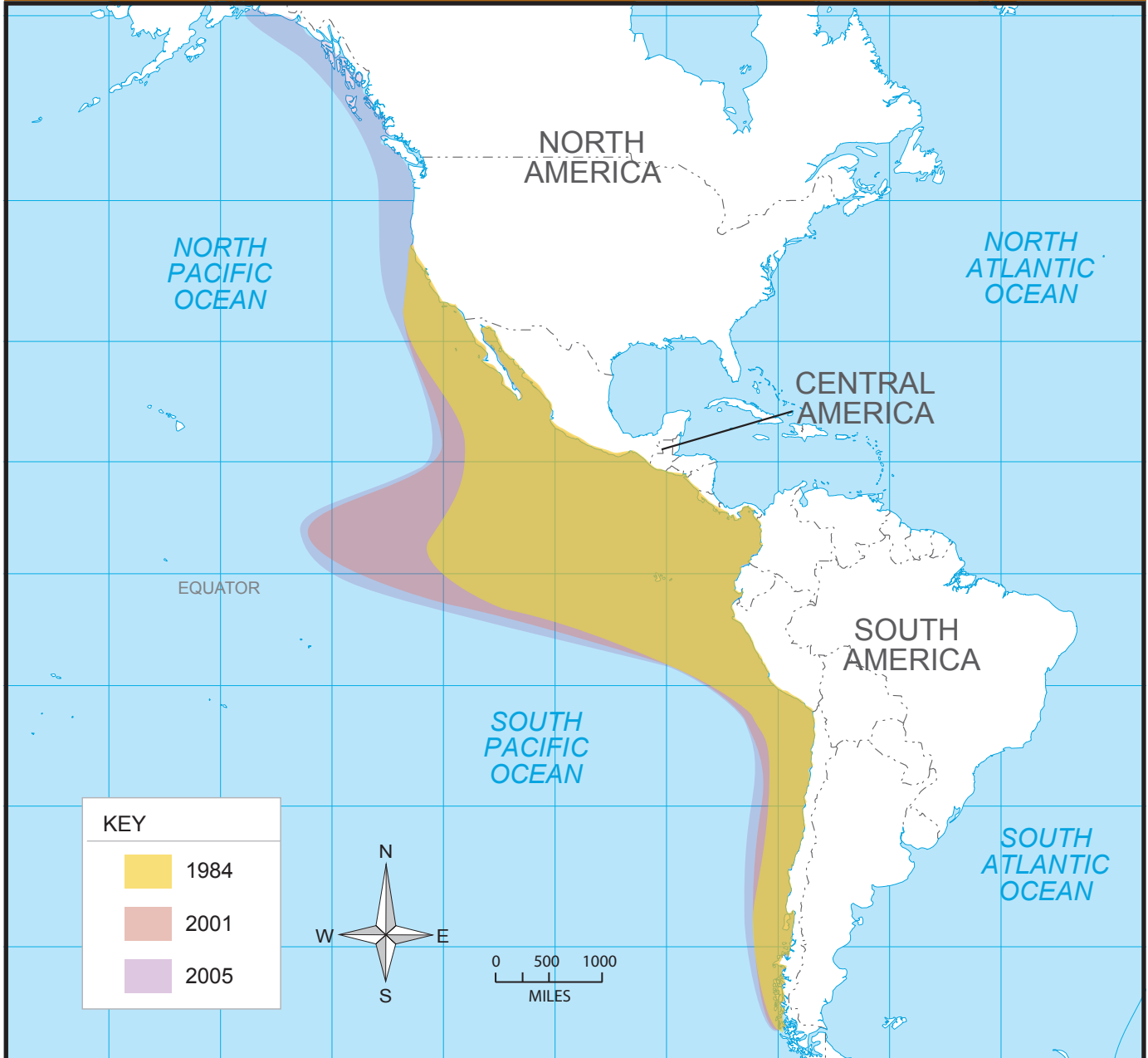


Note: Not drawn to scale.

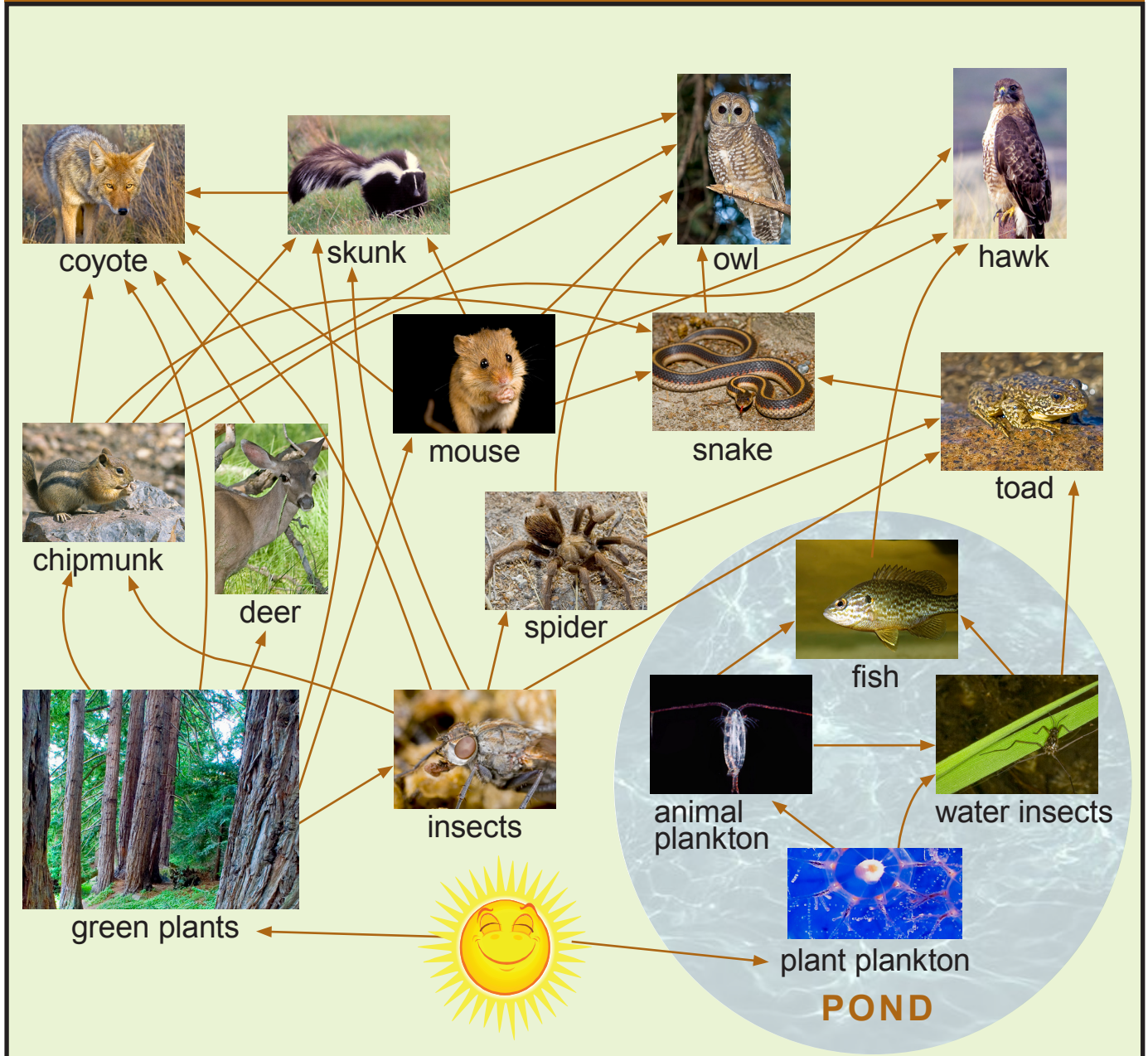
VA #4 Marine Ecosystem Food Web



VA #5 Range of the Humboldt Squid



VA #6 Terrestrial Food Web





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